

ATTORNEY DOCKET NO.: 051481-5060

Application No.: 09/592,907

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cont. a pin having a first portion at least partially surrounded by the bobbin and adjacent a second portion, a valve seat including an aperture sized to receive the second portion of the pin so as to occlude the aperture, the first portion having a cross-sectional area greater than a cross-sectional area of the second portion, the pin displaceable with respect to the bobbin when an electric current flows through the wire.

22. (Twice amended) The assembly according to claim 21, wherein the valve seat is disposed at an outlet of the assembly.